

## List of Radical Names From "N" to "O"

| Radical name   | Formula                       | Based on rule no.      |
|--|-------------------------------|------------------------|
| Naphthacenyl   | $C_{18}H_{11}-$               | <u>A-21.1, A-24.2</u>  |
| Naphthaleneazo   | $C_{10}H_7-N=N-$              | <u>C-911.2</u>         |
| <i>naphthalenecarbonyl</i> ,<br>see Naphthoyl  |                               |                        |
| Naphthalenetetrayl   | $\diagup C_{10}H_6 \diagdown$ | <u>A-24.4</u>          |
| Naphtho[2,3-b]thienyl<br>(replacing thiophanthrenyl)   | $SC_{12}H_7-$                 | <u>B-2.11, B-5.11</u>  |
| Naphthoyl<br>(preferred to <i>naphthalenecarbonyl</i> )  | $C_{10}H_7-CO-$               | <u>C-404.1</u>         |
| Naphthoyloxy   | $C_{10}H_7-CO-O-$             | <u>C-463.3</u>         |
| Naphthyl   | $C_{10}H_7-$                  | <u>A-24.2</u>          |
| Naphthylazo  | $C_{10}H_7-N=N-$              | <u>C-912.3</u>         |
| Naphthylene  | $-C_{10}H_6-$                 | <u>A-24.4</u>          |
| Naphthylenebisazo  | $-N=N-C_{10}H_6-N=N-$         | <u>C-912.5</u>         |
| Naphthylmethylene  | $C_{10}H_7-CH=$               | <u>A-4.1</u>           |
| Naphthylmethylidyne  | $C_{10}H_7-C\equiv$           | <u>A-4.1</u>           |
| Naphthyloxy  | $C_{10}H_7-O-$                | <u>C-205.1</u>         |
| Naphthyridinyl   | $N_2C_8H_5-$                  | <u>B-2.11, B-5.11</u>  |
| Neopentyl<br>(unsubstituted only)  | $(CH_3)_3C-CH_2-$             | <u>A-2.25</u>          |
| Neryl  | $C_{10}H_{17}-$               | <u>A-75.1</u>          |
| Nicotinoyl<br>(preferred to 3-pyridinecarbonyl)  | $NC_5H_4-CO-$<br>(3-)         | <u>C-404.1</u>         |
| Nitrilo  | $N\equiv$                     | <u>C-72.1, C-815.1</u> |
| Nitro  | $O_2N-$                       | <u>C-10.1, C-852.1</u> |
| aci-Nitro  | $HO-(O^+)N=$                  | <u>C-10.1, C-852.2</u> |
| Nitroso  | $ON-$                         | <u>C-10.1, C-851.1</u> |
| Nonacontyl   | $CH_3[CH_2]_{88}CH_2-$        | <u>A-1.2</u>           |
| Nonacosyl  | $CH_3[CH_2]_{29}CH_2-$        | <u>A-1.2</u>           |
| Nonadecyl  | $CH_3[CH_2]_{17}CH_2-$        | <u>A-1.2</u>           |
| Nonanedioyl  | $-CO-[CH_2]_6-CO-$            | <u>C-403.1</u>         |
| Nonanoyl   | $CH_3[CH_2]_7CO-$             | <u>C-403.1</u>         |
| Nonyl  | $CH_3[CH_2]_7CH_2-$           | <u>A-1.2</u>           |
| Norbornyl<br>(replacing norcamphyl and norbornyl)<br><i>norbornyl</i> ,<br>see Norbornyl<br><i>norcamphyl</i> ,<br>see Norbornyl | $C_7H_{11}-$                  | <u>A-75.2</u>          |

|  |                                   |                             |
|--|-----------------------------------|-----------------------------|
| Norcaryl   | $C_7H_{11}-$                      | <u>A-75.2</u>               |
| Norleucyl  | $CH_3[CH_2]_7CH(NH_2)CO-$         | <u>C-421.1</u>              |
| Norpinanyl   | $C_7H_{11}-$                      | <u>A-75.2</u>               |
| Norvalyl   | $CH_3CH_2CH_2CH(NH_2)CO-$         | <u>C-421.1</u>              |
| Octacontyl   | $CH_3[CH_2]_{78}CH_2-$            | <u>A-1.2</u>                |
| Octacosyl  | $CH_3[CH_2]_{26}CH_2-$            | <u>A-1.2</u>                |
| Octadecanoyl   | $CH_3[CH_2]_{16}CO-$              | <u>C-403.1</u>              |
| <i>cis-9-octadecenoyl</i> ,<br><i>see</i> Oleoyl     |                                   |                             |
| Octadecyl  | $CH_3[CH_2]_{16}CH_2-$            | <u>A-1.2</u>                |
| Octanedioyl  | $-CO[CH_2]_6CO-$                  | <u>C-403.1</u>              |
| Octanoyl   | $CH_3[CH_2]_7CO-$                 | <u>C-403.1</u>              |
| Octyl  | $CH_3[CH_2]_7CH_2-$               | <u>A-1.2</u>                |
| Oleoyl<br>( <i>preferred to cis-9-octadecenoyl</i> ) | $CH_3[CH_2]_7CH=CH[CH_2]_7CO-$    | <u>C-404.1</u>              |
| Ornithyl   | $NH_2[CH_2]_3CH(NH_2)CO-$         | <u>C-421.1</u>              |
| Ovalenyl   | $C_{22}H_{43}-$                   | <u>A-21.1, A-24.2</u>       |
| Oxalaceto  | $HOOC\cdot CO\cdot CH_2\cdot CO-$ | <u>C-416.3</u>              |
| Oxalacetyl   | $-CO\cdot CH_2\cdot CO\cdot CO-$  | <u>C-416.3</u>              |
| Oxalo  | $-HOOC\cdot CO-$                  | <u>C-405.2</u>              |
| Oxalyl<br>( <i>preferred to ethanedioyl</i> )        | $-CO\cdot CO-$                    | <u>C-404.1, C-405.2</u>     |
| Oxamoyl  | $NH_2CO\cdot CO-$                 | <u>C-431.2</u>              |
| Oxapyrenyl   | $OC_{15}H_9-$                     | <u>B-4.1, B-5.21</u>        |
| Oxaziny  | $ONC_4H_4-$                       | <u>B-1, B-5.11</u>          |
| Oxazolidinyl   | $ONC_3H_6-$                       | <u>B-1, B-5.11</u>          |
| Oxazoliny  | $ONC_3H_4-$                       | <u>B-1, B-5.11</u>          |
| Oxazolyl   | $ONC_3H_2-$                       | <u>B-1, B-5.11</u>          |
| Oxido  | $O^-$ (ion)                       | <u>C-86.2</u>               |
| Oxo  | $O=$                              | <u>C-10.3, C-316</u>        |
| Oxonio   | $^+H_2O-$                         | <u>C-82.1, C-85, C-87.1</u> |
| Oxy  | $-O-$                             | <u>C-72.2, C-212.1</u>      |

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